

**Human RF Exposure****5150 – 5250 MHz**

Maximum Output Power = 11.04 dBm  
Maximum antenna gain = 4 dBi  
EIRP = 11.04 dBm + 4dBi = 15.04 dBm  
Output Power in mW = 0.031 W  
 $S = \text{EIRP} / 4\pi D^2 = 0.031 / 4\pi(0.2)^2$   
 $S = 0.061 \text{ W/m}^2$

**5250 – 5350 MHz**

Maximum Output Power = 13.79 dBm  
Maximum antenna gain = 4 dBi  
EIRP = 13.79 dBm + 4dBi = 17.79 dBm  
Output Power in mW = 0.060 W  
 $S = \text{EIRP} / 4\pi D^2 = (0.060) / (4\pi(0.2)^2)$   
 $S = 0.1193 \text{ W/m}^2$

**5470 – 5725 MHz**

Maximum Output Power = 9.52 dBm  
Maximum antenna gain = 4 dBi  
EIRP = 9.52 dBm + 4dBi = 13.52 dBm  
Output Power in mW = 0.0224 W  
 $S = \text{EIRP} / 4\pi D^2 = (0.0224) / (4\pi(0.2)^2)$   
 $S = 0.044 \text{ W/m}^2$

**5725 – 5850 MHz**

Maximum Output Power = 10.71 dBm  
Maximum antenna gain = 4 dBi  
EIRP = 10.71 dBm + 4dBi = 14.71 dBm  
Output Power in mW = 0.0295 W  
 $S = \text{EIRP} / 4\pi D^2 = (0.0295) / (4\pi(0.2)^2)$   
 $S = 0.0586 \text{ W/m}^2$

FCC Limit for MPE @ 5 GHz is  $10 \text{ W/m}^2$

RSS 102 Limit for MPE @ 5 GHz is  $8.83 \text{ W/m}^2$

Power density calculated in the all 4 bands above is below the limits.